

# CAFO FACILITY INSPECTION REPORT

OFFICE NO:

PCA SYSTEM TASK NO:

INSPECTOR(S): Jared Richardson (PG Environmental, LLC)

## FACILITY INFORMATION

<u>8365996001</u> WDID NUMBER	<u>Bud Bosch</u> OWNER NAME	<u>Bosch Dairy No. 2</u> FACILITY NAME
<u>CAG018001</u> NPDES NUMBER	<u>Ex. 6 Personal Privacy (PP)</u> OWNER ADDRESS	
<u>R8-2007-0001</u> RWQCB ORDER NO.	<u>Ontario, CA 91710</u> OWNER CITY AND STATE	<u>Ontario, CA 91761</u> FACILITY CITY AND STATE
<u>03/06/2013</u> SCHEDULED INSPECTION DATE	<u>Bud Bosch</u> OWNER CONTACT	<u>Bud Bosch</u> FACILITY CONTACT
<u>03/06/2013</u> ACTUAL INSPECTION DATE	<u>Ex. 6 Personal Privacy (PP)</u> OWNER PHONE NO.	
<u>Unknown</u> RECEIVING WATER	<u>Ex. 6 Personal Privacy (PP)</u> FACILITY PHONE NO.	
	<u>Ex. 6 Personal Privacy (PP)</u> FACILITY LATITUDE	<u>Ex. 6 Personal Privacy (PP)</u> FACILITY LONGITUDE

## INSPECTION TYPE

- |   |   |
|---|---|
| <input type="checkbox"/> (A1) "A" type compliance -- (EPA Type S)                                       | <input type="checkbox"/> (04) Complaint - Complaint |
| <input checked="" type="checkbox"/> (B1) "B" type compliance -- (EPA Type C)                            | <input type="checkbox"/> (05) Pre-requirement       |
| <input type="checkbox"/> (02) Noncompliance follow-up - Correction of a previously identified violation | <input type="checkbox"/> (06) Miscellaneous         |
| <input type="checkbox"/> (03) Enforcement follow-up - Enforcement action is being met                   |   |

NOTE: If this is an EPA inspection not mentioned above, please note type (e.g., biomonitoring, performance audit, diagnostic, etc.)

(Type)

No	Was the inspection pre-announced?
Yes	Were potential violations noted during this inspection?
No	Was this a quality assurance-based inspection?
No	Were bioassay samples collected?
No	Were water quality samples collected?

## INSPECTION SUMMARY

The overall Facility rating, on a 1 (Unreliable) to 5 (Very Reliable) scale, was determined to be: 2 = Marginal.

Bosch Dairy No. 2 (hereinafter, Facility) was rated "Marginal" due to the following reasons:

- The Annual Reports for the previous five (5) years were not retained or available for review at the time of the inspection
- The Engineered Waste Management Plan (EWMP) was not retained onsite
- Weekly and daily Storm Water Management Structure visual inspections had not been conducted by the Discharger since January 1, 2012
- Vegetative growth was observed in the wastewater containment pond at the Facility (refer to Photos 2 and 3)

<b>INSPECTOR DATA</b>
-----------------------

INITIALS JCR SIGNATURE \_\_\_\_\_ DATE 03/06/2013

CIWQS DATA ENTRY DATE: \_\_\_\_\_ REGIONAL BOARD FILE NUMBER: \_\_\_\_\_

FOR INTERNAL USE: REVIEWED BY: (1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_

REPORT PREPARED BY: Jared Richardson (PG Environmental, LLC) ON 03/20/2013

### EPA SUGGESTED INSPECTION CHECKLIST

- |  |   |   |  |
|--|---|---|--|
| <input checked="" type="checkbox"/> Permit               | <input type="checkbox"/> Flow Measurement     | <input type="checkbox"/> Pretreatment         | <input checked="" type="checkbox"/> Operations & Maintenance |
| <input checked="" type="checkbox"/> Records/Reports      | <input type="checkbox"/> Laboratories         | <input type="checkbox"/> Compliance Schedules | <input type="checkbox"/> Sludge Disposal                     |
| <input checked="" type="checkbox"/> Facility Site Review | <input type="checkbox"/> Eff/Receiving Waters | <input type="checkbox"/> Self- Monitoring     | <input type="checkbox"/> Other                               |

### POTENTIAL VIOLATIONS

1. The EWMP was not retained onsite or available for review at the time of the inspection as required by Provision VII.C.3.c of the Permit.

Description of Potential Violation: **Refer to Item No. 1 of the 'Engineered Waste Management Plan Review' section of this report for additional details.**

2. The EWMP had not been fully implemented at the Facility and weekly and daily Storm Water Management Structure visual inspections had not been conducted for the Facility since January 1, 2012 as required by Provision VII.C.3.b of the Permit and Permit Attachment B - Monitoring and Reporting Program, Section I.B; respectively.

Description of Potential Violation: **Refer to Item No. 2 of the 'Engineered Waste Management Plan Review' section of this report for additional details.**

3. Vegetative growth was observed in the wastewater containment pond at the Facility (refer to Photos 2 and 3). The Discharger must maintain all containment structures to contain all wastewater within the Facility, including all process wastewater and all precipitation on, and drainage through, manured areas from rainfall up to and including a 25-year, 24-hour rainfall event, as required by Provision VII.C.3.a of the Permit.

Description of Potential Violation: **Refer to Item No. 1 of the 'Facility Housekeeping, 'Wastewater, and Manure Information' section of this report for additional details.**

Date of Potential Violation: **N/A**

Date of Potential Violation Determination: **03/06/2013**

## INSPECTION OBSERVATIONS

On March 6, 2013, a Concentrated Animal Feeding Operation (CAFO) inspection was conducted for Santa Ana Water Board Order No. R8-2007-0001 - 'General Waste Discharge Requirements for Concentrated Animal Feeding Operations (Dairies and Related Facilities) within the Santa Ana Region', NPDES General Permit No. (CAG018001) at Bosch Dairy No. 2 in Ontario, California (refer to Photo 1). The inspectors spoke with Mr. Bud Bosch (Owner, Bosch Dairy No. 2) at approximately 2:00 PM on March 6, 2013. Mr. Bosch participated in the records review and Facility site visit. The inspector held a closing conference with Mr. Bosch at the conclusion of the inspection. During the closing conference, the inspectors reviewed the preliminary inspection findings with the Facility representative.

The Facility is a 18-acre dairy farm with an animal population of approximately 420 milking cows and 70 dry cows at the time of the inspection. Process wastewater from the milking barn and associated wash pen (refer to Photos 4 and 5) is piped south to the wastewater disposal field located upgradient of the wastewater containment pond. At the time of the inspection, process wastewater from the milking barn and wash pen was being piped to the disposal field for land application via alfalfa valves (refer to Photos 6 and 7). Mr. Bosch stated that the disposal field alfalfa valves are rotated every "three days" and that the disposal field is ripped/disked to promote percolation at least once per year (refer to Photos 6 and 7). Surface runoff from corral Nos. 1 through 7 flows south toward the wastewater disposal field and containment pond (refer to Photo 8). Standing water was observed in the process wastewater containment pond and disposal field at the time of the inspection (refer to Photos 2 and 7).

Mr. Bosch stated that the corrals were last cleaned in September/October 2012. Manure is hauled offsite by Three Brothers Farms and disposed of on Sunkist croplands, Archibald Avenue, Ontario, CA and croplands at the intersection of Grove Avenue and Chino Avenue, Ontario, CA. Manure tracking manifests of these haul events were maintained and reviewed as a component of the inspection. Mr. Bosch stated that all mortalities are removed from the Facility immediately by Stiles Animal Removal, Inc.

### FACILITY

CAFO Size: **Medium**  
(at time of inspection)

Total Acres: **18**

Production Area Acres: **9**

### CONTAINMENT STRUCTURES

Wastewater Lagoons: **0**

Evaporation Ponds: **0**

Catch Basins: **1**

Depth Markers: **1**

Other: **1 disposal field**

### ANIMALS ONSITE DURING INSPECTION

Milk Cows: **420**

Dry Cows: **70**

Heifers: **0**

Calves: **0**

Other: **0**

## ANNUAL REPORT REVIEW

### ANNUAL REPORT

Monitoring Year: **N/A**

Reviewed: **No**

Signed & Certified: **Unknown**

Submittal Date: **N/A**

### REPORTED ANIMAL POPULATION

Milk Cows: **N/A**

Dry Cows: **N/A**

Heifers: **N/A**

Calves: **N/A**

Other: **N/A**

#### MANURE INFORMATION

Amount of manure spread on cropland at the Facility: **None**

Amount of manure hauled away from the Facility: **2,214 Tons**

Name and location of the composting operation, or, if the manure was hauled to cropland, the owner or tenant, and

### Ex. 6 Personal Privacy (PP)

1. Annual Reports for the previous five (5) years were not retained or available for review at the time of the inspection. All monitoring data shall be maintained for at least five (5) years and shall be made available to Regional Board, SWRCB, USEPA staff and/or their authorized representatives (including an authorized contractor acting as their representative), upon request, as required by Permit Attachment B, Section I.A.

#### ENGINEERED WASTE MANAGEMENT PLAN (EWMP) REVIEW

Did the inspector review the EWMP in the RWQCB file?

**Yes**

Did the Facility have a copy of the EWMP on-site and available for review?

**No**

EWMP preparation date:

**February 14, 2008**

EWMP prepared by:

**Unknown**

Santa Ana RWQCB EWMP acceptance date:

**January 20, 2008**

EWMP was certified by the Facility's engineer/consultant on:

**Unknown**

1. The EWMP was not retained onsite or available for review at the time of the inspection. Mr. Bosch was unaware of the location of the approved Facility EWMP and Site Plan. A copy of the approved EWMP must be retained onsite and made available to Regional Water Board, SWRCB, USEPA staff and/or their authorized representatives (including and authorized contractor acting as their representative), upon request, as required by Provision VII.C.3.c of the Permit.
2. The EWMP was not fully implemented onsite at the Facility and weekly Storm Water Management Structure visual inspections had not been conducted. Specifically, the Discharger had not conducted Weekly Storm Water Management Structure visual inspections as required by the Permit. In addition, the Discharger had not fully implemented the approved EWMP by conducting daily inspections during the wet season. Mr. Bosch stated that inspections at the Facility had not been conducted since January 1, 2012. Section 5.0, 'Operation and Maintenance Plan', of the approved EWMP outlines that "The containment berms shall be inspected weekly during the wet cycle and daily during a storm event to ensure integrity"; and "Corrals and spreading areas should be inspected weekly and daily during the wet cycle to assure positive drainage." However, these practices outlined in the Permit and approved EWMP had not been conducted at the Facility. The Discharger shall fully implement the EWMP as required by Provision VII.C.3.b of the Permit, and the Discharger shall conduct and document weekly inspections of all containment structures, including but not limited to, ponds, berms, and wastewater distribution lines at least once each week as required by Permit Attachment B - Monitoring and Reporting Program, Section I.B.

### NUTRIENT MANAGEMENT PLAN (NMP) REVIEW (IF APPLICABLE)

Did the Facility have a copy of the NMP on-site and available for review? **N/A**  
Date NMP was prepared: **N/A**  
NMP prepared by: **N/A**  
Santa Ana RWQCB NMP acceptance date: **N/A**

1. The Discharger does not apply manure, litter, or process wastewater to croplands under their ownership or operational control; therefore, the Discharger is not required to develop, implement, and retain onsite a Nutrient Management Plan as stated in Provisions VII.C.3.d of the Permit.

### FACILITY HOUSEKEEPING, WASTEWATER, AND MANURE INFORMATION

Typical Depth of Manure in Corrals (in inches): **4-7**  
Estimated Freeboard in Fullest Lagoon (in feet): **10**  
Date of Last Lagoon Solids Removal, per Facility Representative: **Unknown**  
Disposal Location for Lagoon Solids: **Unknown**

### REVIEW OF FACILITY HOUSEKEEPING

1. The Facility conditions observed at Bosch Dairy No. 2, generally indicated adequate housekeeping and pollution prevention practices. For example, the feed lanes and commodity barn located in the central portion of the Facility exhibited general good housekeeping and pollution prevention practices. (refer to Photo 9).

### CONDITION OF BERMS AND CONTAINMENT STRUCTURES

2. The inspector observed, during the inspection, vegetative growth potentially diminishing the wastewater containment pond capacity (refer to Photos 2 and 3). Section 5.8, 'Operation and Maintenance Plan', of the approved EWMP states "The ponding and disposal areas should be kept free of weeds and any other excess vegetation that may decrease the capacity of containment facilities, or inhibit the ability to access any berms or containment areas." As a result, the overall capacity of the containment structure at the Facility may be diminished. The Discharger must maintain all containment structures to contain all wastewater within the Facility, including all process wastewater and all precipitation on, and drainage through, manured areas from rainfall up to and including a 25-year, 24-hour rainfall event, as required by Provision VII.C.3.a of the Permit.

### ITEMS FOR FOLLOW UP ON FUTURE INSPECTIONS

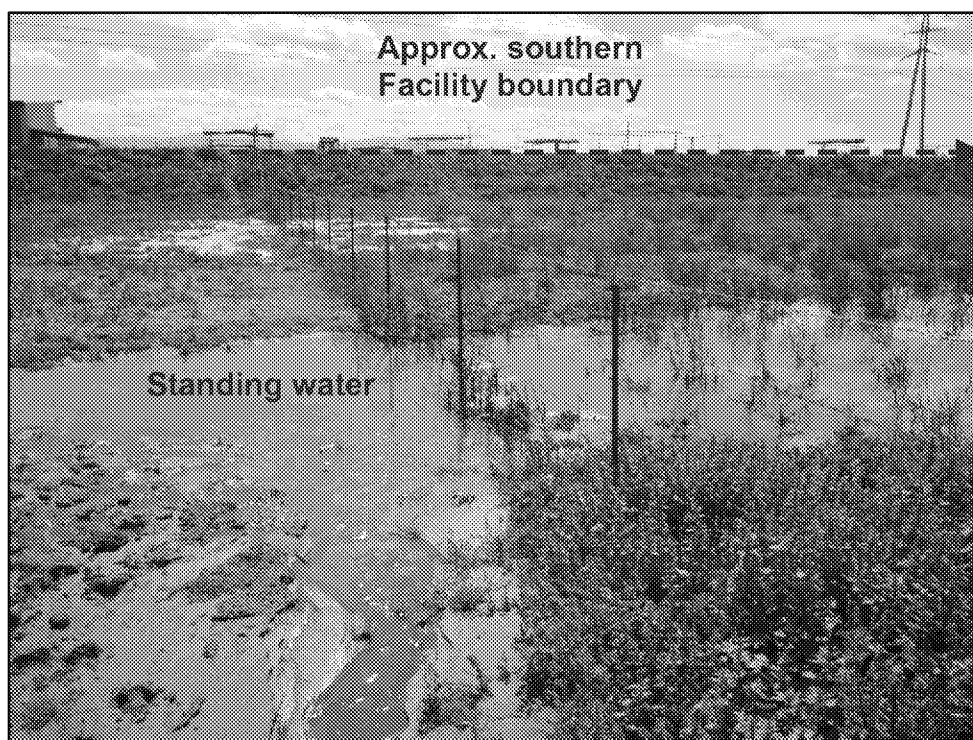
1. Verify that the EWMP is retained onsite and available for review
2. Verify that the EWMP is fully implemented (e.g., daily inspections)
3. Verify that weekly and daily Storm Water Management Structure visual inspections are being conducted and documented
4. Verify that excessive vegetative growth is kept free of the process wastewater containment pond and disposal fields to ensure adequate capacity of the containment facilities
5. Verify that Annual Reports for the previous (5) five years are retained



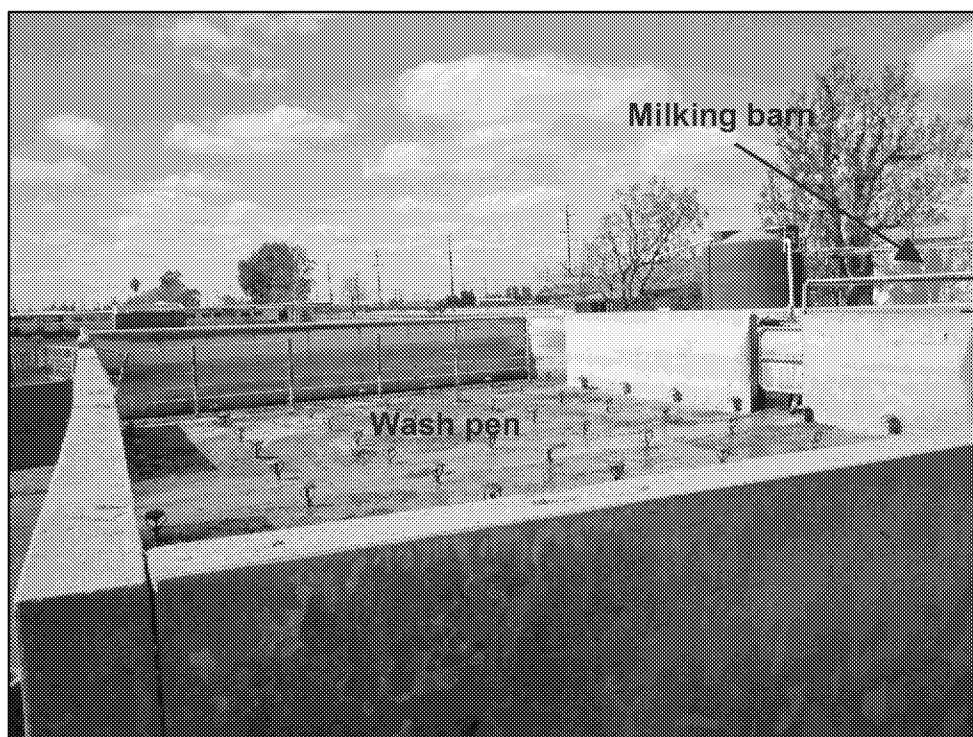
**Photograph 1.** Bosch Dairy No. 2 Facility sign.



**Photograph 2.** View facing west of the vegetative growth in the process wastewater containment pond located adjacent to the southern perimeter of the Facility.



**Photograph 3.** View facing south of the vegetative growth and standing water in the process wastewater containment pond located adjacent to the southern perimeter of the Facility.

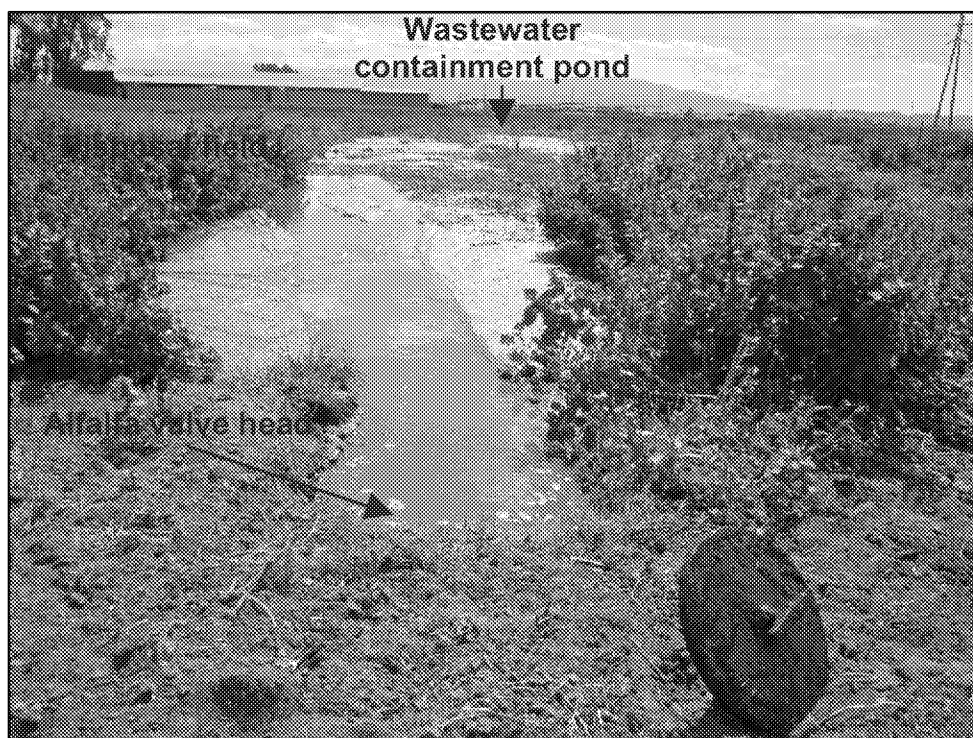


**Photograph 4.** View facing northwest of wash pen prior to the milking barn. Note process wastewater from the wash pen and milking barn are piped to the disposal field, shown in Photographs 6 and 7.

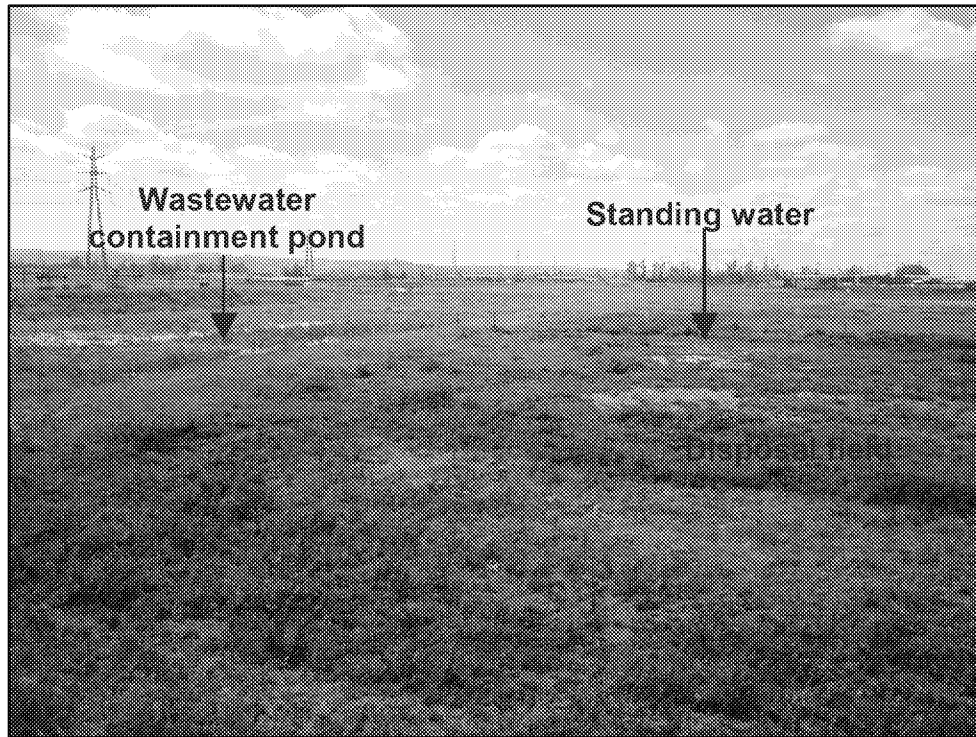




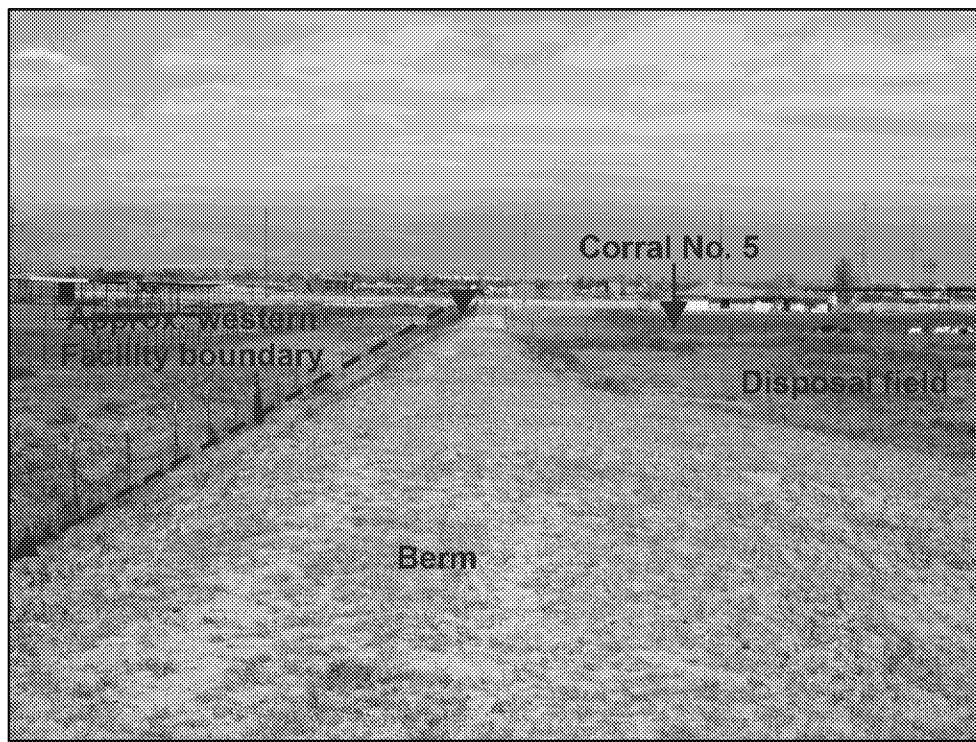
**Photograph 5.** Close-up view of process wastewater drain inlet which collects process wastewater from the wash pen, shown in Photograph 4, and then conveys the wastewater to the alfalfa valves and disposal field, shown in Photograph 6.



**Photograph 6.** View facing south of process wastewater being land applied to the disposal field via alfalfa valve head upgradient of the wastewater containment pond, shown in Photograph 2.



**Photograph 7.** View facing southwest of the process wastewater disposal field and containment pond located in the southern portion of the Facility. Note standing water was observed in the containment pond and disposal field at the time of the inspection.



**Photograph 8.** View facing north along western Facility boundary. Note surface runoff from the corral areas drains south toward the process wastewater disposal field.



**Photograph 9.** View facing north of feed lanes and commodity barn located in the central portion of the Facility. Note the feed lanes and overall Facility exhibited general good housekeeping and pollution prevention practices.